



Subtle design and simple lines makes the **Visualume** a good choice for tunnels, underpasses, highway entry ways and exits as well as tollbooths. Given the harsh conditions prevailing in their intended environments, luminaires in the Visualume have been developed for physical as well as photometric performance.

Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Ordering guide

example: VLM35HPSSWACPA120F20CHRWH

Luminaire	Lamp				Optical System	Mounting	Voltage	Electrical Options
VLM	HPS Lamp	Type	MH Lamp	Type	HID	CPA Ceiling plate aluminum (one anchor plate)	120	F20 2" dia. hole in the 0 degree tilt back side
	35 HPS medium	ED17	50 MH medium	ED17	Wall Mount Sealed Optic	CPS Ceiling plate stainless steel (one anchor plate)	208	F21 2" dia. hole in the 15 degree tilt back side
	50 HPS medium	ED17	70 MH medium	ED17	SWA Horizontal lamp	QMS Quick mounting system (two anchor plates)	240	F70 7/8" dia. hole in the 0 degree tilt back side
	50 HPS mogul	ED23 1/2	100 MH medium	ED17	SWC Vertical lamp, 75° angle	WMH No mounting	277	F71 7/8" dia. hole in the 15 degree tilt back side
	70 HPS medium	ED17	100 MH medium	ED231/2	Ceiling Mount: Sealed Optic	WWO 5° Wall wedge (M40) or 20° (M41)	347	FBH 7/8" dia. hole on both side
	70 HPS mogul	ED23 1/2	150 MH medium	ED17	SYW Horizontal lamp	WW2 10° Wall wedge (M40) or 25° (M41)	480	FLH 7/8" dia. hole on the left side
	100 HPS mogul	ED23 1/2	150 MH medium	ED231/2	SYL Vertical lamp, 75° angle	WW3 15° Wall wedge (M40) or 30° (M41)	Multi-Tap 120-277	FRH 7/8" dia. hole on the right side
	150 HPS medium	ED17	PSMH Lamp		Lamp is not included.	YMS Yoke mounting support (steel support)	Multi-Tap 347-480	FTH 7/8" dia. hole on the top (hinge) side
	150 HPS mogul	ED23 1/2	200 PSMH mogul	ED28		YPT Yoke post top mounting		FBH 7/8" dia. hole on the bottom (latch) side
	200 HPS mogul	ED18	250 PSMH mogul	ED28				
	250 HPS mogul	ED18	320 PSMH mogul	ED28				
	400 HPS mogul	ED18	400 PSMH mogul	ED28				

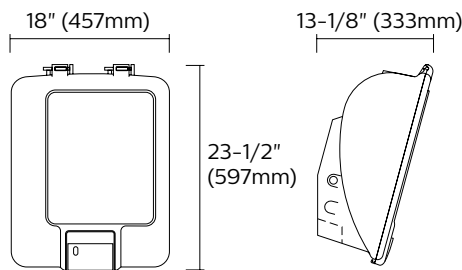
Luminaire Options	Finish
CHR Corrosion-resistant coating	WH White
CP12 120V cord	BK Black
CRD4 Power cord SOOW16-3 (4', 6', 8', and 10' lg cord out of luminaire)	NF No finish
HDB Heavy duty block connector	GY3 Gray
HRS Hot restrike ignitor	NP Bare
M20 Mounting with 2 holes 7/16" Ø at 0°	
M21 Mounting with 2 holes 7/16" Ø at 15°	
M40 Mounting with 4 holes 7/16" Ø at 0°	
M41 Mounting with 4 holes 7/16" Ø at 15°	
PCG Polycarbonate lens guard	
PH8 Photoelectric cell	
PH9 Shorting cap	
RC Receptacle for PH8 and PH9	
SDQ Starter with quick disconnect	
STB Anti-vibration kit	
STP Protective starter	
VPH Vandal proof latch	
WGV Lens wire guard	

Not all optics available with all lamps. Please contact factory for verification of lamp and optical combinations. Specifications subject to change without notice.

VLM Visualume

Tunnel/Underpass luminaire

Dimensions



Weight: 34 lbs
EPA: 3.50 sq. ft.

Specifications

Lamp holder

Porcelain thermo-resistant pulse rated 4Kv mogul base.

Ballast / Driver

High power factor of 90%. Lamp starting capacity -40°F (-40°C). Assembled on a unitized removable tray with quick disconnect plug.

Ballast tray

Made of galvanized steel (18ga.), pivoting and easily removed without tools.

Housing

One piece die cast A360 aluminum alloy with copper content lower than 0.2%, 0.100" (2.54mm) minimum thickness with mounting provision for hardware and knock-outs for electrical feeding and mounting.

Locking system

Three point spring loaded inter locking latch made of die cast A383 aluminum alloy. Permits tool free access to luminaire.

Lens frame

Made of die cast A360 aluminum alloy with copper content lower than 0.2%, with integral pin & sleeve hinges. Holds optical system captive and c/w a 316 stainless steel rod to maintain door open for servicing.

Reflector

Made of hydroformed 3002 0 aluminum alloy chemically brightened and anodized (5 micron min). The Smartseal optical system is rated IP66.

Sleeve

Die cast glass reinforced resin, mechanically fastened to reflector and sealed with a silicone gasket.

Shutter

Injection molded glass fiber reinforced polymer. Removable with a quarter turn, with injection molded silicone gasket (duro 60 shore A). Adjustment to obtain the various IES distribution is tool-less. Horizontal Lamp.

Lens

A lens made of clear tempered glass, 1/4" (6mm) thick and shock resistant.

Terminal block

Receives wires (#8 max.) on primary circuit with ground lug

Electrical Feeding

(FUH) Feeding By 7/8" Dia. Hole, Under The Housing, For 1/2-14 NPT Connector. Note: Tightness rating has been performed with the appropriate connector (UL1598) by other. The proper tightening is the installer's responsibility.

Gasketing

One piece silicone gasket giving the housing a IP65 according to standard IEC60598 tightness to water and dust rating.

Identification label

Identifies the wattage and source according to ANSI standards.

Wiring

Luminaire wiring is done using a terminal block located inside the housing.

Hardware

All exposed screws shall be stainless steel with Ceramic primer-seal base coat to reduce seizing of the parts. All seals and sealing devices are made and/or lined with EPDM and/or silicone.

Finish

Application of a polyester powder coat paint. (4 mils/100 microns). The chemical composition provides a highly durable UV and salt spray resistant finish in accordance to the ASTM-B117-73 standard and humidity proof in accordance to the ASTM-D2247-68 standard. The specially formulated Lumital powder coat finish is available in white, black, gray and bare. Additional colors are available. Consult factory for complete specifications.

Vibration resistance

Meets the ANSI C136.31-2001 table 2, American National Standard for Roadway Luminaire Vibration specifications for Bridge/overpass applications.

Certification

cULus for wet locations.



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Signify North America Corporation
200 Franklin Square Drive,
Somerset, NJ 08873
Telephone 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008

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